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**From:** Houda, Tara [Houda.Tara@epa.gov]  
**Sent:** 4/20/2021 12:29:58 PM  
**To:** Hansel, Joel [Hansel.Joel@epa.gov]  
**CC:** Decker, Chris [Decker.Chris@epa.gov]; Parker, William [parker.william@epa.gov]  
**Subject:** RE: Piney Point HRK Data

Good morning Joel,

I reached your voicemail, so I'm following up with an email. Is your review of the effluent rad data complete or do you need to do more consultation with Jon? I'm wondering if we have looked at enough to be comfortable with sharing it with FDEP yet.

**\*deliberative\***

Thanks,

Tara

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**Tara L. Houda**  
Water Sector Security and Resilience Liaison  
Office: (404) 562-9762  
Mobile: (470) 580-3235

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**From:** Houda, Tara  
**Sent:** Thursday, April 15, 2021 8:12 AM  
**To:** Hansel, Joel <Hansel.Joel@epa.gov>  
**Cc:** Chris Decker (Decker.Chris@epa.gov) <Decker.Chris@epa.gov>; Parker, William <parker.william@epa.gov>; Smith, Brian <Smith.Brian@epa.gov>  
**Subject:** FW: Piney Point HRK Data

Hi Joel,

Thank you for your recommendation that we have Jon look at the rad data. It turns out Ben already asked him to take a look at it. Please see the below thread for his comments and let us know if you would like additional input from Jon, NAREL or eco tox.

Thanks,

Tara

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**Tara L. Houda**  
Water Sector Security and Resilience Liaison  
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**From:** Russell, Chris <Russell.Chris@epa.gov>  
**Sent:** Wednesday, April 14, 2021 8:07 PM  
**To:** Richards, Jon M. <Richards.Jon@epa.gov>; R4 DOCL PineyPoint <R4\_DOCL\_PineyPoint@epa.gov>  
**Cc:** Hudson, Tonya <hudson.tonya@epa.gov>; Franco, Benjamin <Franco.Benjamin@epa.gov>; Houda, Tara <Houda.Tara@epa.gov>; White, Cindy <White.Cindy@epa.gov>  
**Subject:** Re: Piney Point HRK Data

Hey Jon:

As a side note, FLDOH Bureau of Radiation did take some samples on site early on, it may be advantageous for you to reach out to any contacts you have there for further info, etc relative to the rad sampling they conducted.

Respectfully,

Chris Russell  
Federal On Scene Coordinator  
US EPA Region 4: Florida Outpost  
Wk/Cell: (850) 274-1575

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**From:** Richards, Jon M. <[Richards.Jon@epa.gov](mailto:Richards.Jon@epa.gov)>  
**Sent:** Thursday, April 15, 2021 8:02 AM  
**To:** Franco, Benjamin <[Franco.Benjamin@epa.gov](mailto:Franco.Benjamin@epa.gov)>  
**Cc:** Hudson, Tonya <[hudson.tonya@epa.gov](mailto:hudson.tonya@epa.gov)>; Houda, Tara <[Houda.Tara@epa.gov](mailto:Houda.Tara@epa.gov)>; Russell, Chris <[Russell.Chris@epa.gov](mailto:Russell.Chris@epa.gov)>; White, Cindy <[White.Cindy@epa.gov](mailto:White.Cindy@epa.gov)>  
**Subject:** RE: Piney Point HRK Data

Those samples had elevated gross alpha [over 15 pCi/L] but remember that's a screening #, and the actual alpha rads, Ra226 & 228 all were at or below detection limits.  
So could have had poor turbidity or other reason in samples  
But this is not surprising for Ra's in surface water

Jon Richards  
Regional Radiation Expert & RPM  
US EPA R4, SEMD  
[Richards.jon@epa.gov](mailto:Richards.jon@epa.gov)  
404-431-1340

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**From:** Franco, Benjamin <[Franco.Benjamin@epa.gov](mailto:Franco.Benjamin@epa.gov)>  
**Sent:** Wednesday, April 14, 2021 6:09 PM  
**To:** Richards, Jon M. <[Richards.Jon@epa.gov](mailto:Richards.Jon@epa.gov)>  
**Cc:** Hudson, Tonya <[hudson.tonya@epa.gov](mailto:hudson.tonya@epa.gov)>; Houda, Tara <[Houda.Tara@epa.gov](mailto:Houda.Tara@epa.gov)>; Russell, Chris <[Russell.Chris@epa.gov](mailto:Russell.Chris@epa.gov)>; White, Cindy <[White.Cindy@epa.gov](mailto:White.Cindy@epa.gov)>  
**Subject:** Re: Piney Point HRK Data

Jon:

Can you compare the NAREL results with the NGS- South compartment FDEP data taken in 2019. See the attached excel spreadsheet.

Respectfully,

Benjamin Franco,  
Federal On Scene Coordinator  
Emergency Response, Removal and Prevention Branch  
Superfund Division  
USEPA R4

61 Forsyth St  
Atlanta, GA 30303

404-562-8758 (w)  
404-915-6952 (c)

Report Oil and Chemical Spills to the National Response Center 1-800-424-8802

On Apr 14, 2021, at 5:11 PM, Richards, Jon M. <[Richards.Jon@epa.gov](mailto:Richards.Jon@epa.gov)> wrote:

It does look like 2 effluent samples are elevated, that's not surprising for phosphate sites: in 2 samples the Bi214, that's normally 'equal' to Ra226, shows 2 samples about 10 times the MCL, where the other samples all are within background or detection limits.

I noted Tonya said they are still counting some samples with the other method, so when we receive those, we can note any differences

Note for Tara: for determining 'health' levels, etc, showing 10x the MCL is significant, but this is surface water, and we normally don't apply MCLs to surface water unless there's a drinking water intake downstream, which I don't think is the case for this site. And there's no NPDES for radionuclides, also note.

So let me know if questions, or after the next set of samples are analyzed

Jon Richards  
Regional Radiation Expert & RPM  
US EPA R4, SEMD  
[Richards.jon@epa.gov](mailto:Richards.jon@epa.gov)  
404-431-1340

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**From:** Hudson, Tonya <[hudson.tonya@epa.gov](mailto:hudson.tonya@epa.gov)>  
**Sent:** Tuesday, April 13, 2021 8:39 PM  
**To:** Franco, Benjamin <[Franco.Benjamin@epa.gov](mailto:Franco.Benjamin@epa.gov)>  
**Cc:** Houda, Tara <[Houda.Tara@epa.gov](mailto:Houda.Tara@epa.gov)>; Russell, Chris <[Russell.Chris@epa.gov](mailto:Russell.Chris@epa.gov)>; Richards, Jon M. <[Richards.Jon@epa.gov](mailto:Richards.Jon@epa.gov)>; White, Cindy <[White.Cindy@epa.gov](mailto:White.Cindy@epa.gov)>  
**Subject:** Piney Point HRK Data

Attached are electronic copies of data packages for gamma and radium-226 analysis of samples along with a cover letter for the Piney Point HRK Project as well the EDDs for the data. Hard copies will not be sent unless requested.

Please let me know if you have problems with the files or require hard copies of the data packages and cover letter.

If you have questions regarding the data, please contact Cindy White at 334-270-7052.